	Application No.	Applicant(s)	
Notice of Allowability	09/604,595	UNDERBRINK ET AL.	
	Examiner	Art Unit	
	Curtis B. Odom	2611	
The MAILING DATE of this communication apperation apperation all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313  1. This communication is responsive to Amdt filed on 9/17/20  2. The allowed claim(s) is/are 1.6.16.18.20-22.25.26.33 and 3  3. Acknowledgment is made of a claim for foreign priority units and All b) Some* c) None of the:	(OR REMAINS) CLOSED in or other appropriate communication is stand MPEP 1308.	n this application. If not included unication will be mailed in due course. subject to withdrawal from issue at the	THIS initiative
1. ☐ Certified copies of the priority documents have	been received.		
2. Certified copies of the priority documents have	been received in Application	n No	
3. Copies of the certified copies of the priority doc	cuments have been receive	d in this national stage application fron	n the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	IENT of this application. itted. Note the attached EXA	AMINER'S AMENDMENT or NOTICE	
<u> </u>			
<ol> <li>CORRECTED DRAWINGS (as "replacement sheets") mus</li> <li>(a) including changes required by the Notice of Draftspers</li> </ol>		v ( PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date		V (110-340) attached	
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		in the Office action of	
Identifying Indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on t he header according to 37 CF	ne drawings in the front (not the back) o R 1.121(d).	f
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I			ı
Attachment(s)	E Making of In	format Datant Application	
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>	7 <u>~</u>	formal Patent Application ummary (PTO-413),	
	Paper No.	Mail Date Amendment/Comment	
Information Disclosure Statements (PTO/SB/08),     Paper No./Mail Date	7. 🛛 Examiner's	Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛭 Examiner's	Statement of Reasons for Allowance	
or biological material	9. 🗌 Other	_•	

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## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Gregory B. Gulliver on 9/28/2007.

The application has been amended as follows:

In claim 1, lines 8-9, the phrase "where the selected portion of one of the plurality of signal samples is provided to an odd-even switch and is either an even portion of an odd portion..." is changed to "where the selected portion of one of the plurality of signal samples is provided to an odd-even switch and is either an even portion or an odd portion...".

In claim 1, line 11, the phrase "a second multiplier coupled to the switch..." is changed to "a second multiplier coupled to a switch...".

In claim 1, lines 14-15, the phrase "where the selected portion of the second of the plurality of signal samples is provided to an odd-even switch and is either an even portion of an odd portion..." is changed to "where the selected portion of the second of the plurality of signal samples is provided to an odd-even switch and is either an even portion or an odd portion...".

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Cancel claim 3.

In claim 6, lines 12-13, the phrase "where the selected portion is either an odd selected portion or an even selected portion as selected by the odd-even switch..." is changed to "where the selected portion is either an odd selected portion or an even selected portion as selected by an odd-even switch...".

Cancel claim 8.

Cancel claim 10.

In claim 22, line 1, the phrase "a second multiplier coupled to the second switch..." is changed to "a second multiplier coupled to a switch...".

## **EXAMINER'S STATEMENTS OF REASONS FOR ALLOWANCE**

2. The following is an examiner's statement of reasons for allowance: Claims 1, 6, 16, 18, 20-22, 25, 26, 33 and 34 are allowable over prior art references because related references do not disclose all the elements within the claims, particularly, selecting one of the in-phase or quadrature phase portions of a signal, selecting the even or odd sample of the selected portion of the signal, and multiplying the selected portion of the selected sample with a PN code.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Curtis B. Odom whose telephone number is 571-272-3046. The examiner can normally be reached on Monday- Friday, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on 571-272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Curtis Odom

September 30, 2007